IN THE CLAIMS

Please amend and/or cancel the claim(s) of the captioned application, and/or add claim(s) to the captioned application, in accordance with the following annotations and/or mark-ups showing all change(s) relative to the previous version(s) of the claim(s) as required by 37 C.F.R. 1.121:

1. (Currently amended) A seal fitting for connecting a thermocouple (TC) or resistance temperature detector (RTC) to a lead wire from a sensor comprising:

a shell;

means retained to said shell for clamping a lead wire from a TC or RTD sensor;

a ceramic disk retained in said shell in spaced relationship to said sensor wire clamping means;

a male conductive pin with one end in electrical contact with said sensor wire clamping means and the other end extending through said ceramic disk, the ceramic material comprising said disk sealing against said conductive pin;

~~a sleeve engaged to said shell with the ceramic disk interposed between said sleeve and said sensor wire clamping means;~~

a female conductive pin in electrical contact with said male conductive pin ~~when said sleeve is engaged to said shell~~; ~~and~~

means in electrical contact with said female conductive pin for clamping a lead wire from the TC or RTD; and

each of said wire clamping means comprising a clamping tab, a receptacle, a spring, a screw, and a threaded tab, the spring biasing the clamping tab away from the receptacle and the screw tightening the clamping tab against the respective lead wire or sensor wire received in the receptacle, the spring being confined by and threaded through the threaded tab.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Previously presented) The seal fitting of claim 1 additionally comprising a body for engaging a bulkhead, said shell being provided with a groove for receiving an O-ring therein for sealing against said body.

7. (Previously presented) The seal fitting of claim 1 wherein said ceramic disk and said sensor wire clamping means are located at opposite ends of said shell.

8. (New) A seal fitting for connecting a thermocouple (TC) or resistance temperature detector (RTC) to a lead wire from a sensor comprising:

male and female connectors forming a shell when engaged to each other;

means retained in said male connector for clamping a lead wire from a TC or RTD sensor;

means retained in said female connector for clamping a lead wire from the TC or RTD;

an insulating disk retained in the shell formed by said male and female connectors between said sensor wire clamping means and said lead wire clamping means;

a male conductive pin with one end in electrical contact with said sensor wire clamping means and the other end extending through said insulating disk;

a female conductive pin in electrical contact with said lead wire clamping means at one end and with said male conductive pin at the other end; and

each of said lead wire clamping means and said sensor wire clamping means comprising a tab for tightening against said respective lead wire or sensor wire, said tab being biased away from a receptacle for receiving the respective lead wire or sensor wire by a spring.

9. (New) The seal fitting of claim 8 wherein the spring for biasing said clamping tab is confined by a threaded tab.

10. (New) The seal fitting of claim 8 wherein the spring for biasing said clamping tab is threaded through a threaded tab.

11. (New) The seal fitting of claim 8 additionally comprising a body for engaging a bulkhead, the shell comprised of said male and female connectors being provided with a groove for receiving an O-ring therein for sealing against said body.

12. (New) The seal fitting of claim 8 wherein said lead wire clamping means and said sensor wire clamping means are located at opposite ends of the shell.